

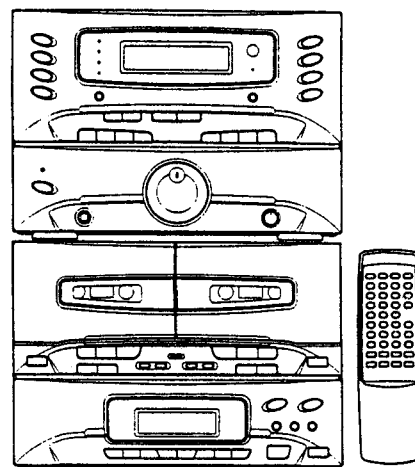
UHER

Reference 2000

**AM/FM STEREO RECEIVER
CASSETTE PLAYER/RECORDER
3-DISC COMPACT DISC CHANGER**



UHER-00320



SPECIFICATIONS

Power Source
Power Consumption
Output Power

230V/50Hz
700 Watts
120W x2 (at 0.9% THD)

Tuner Section

Frequency Range
Intermediate Frequency
Sensitivity
Multiplex Separation

AM: 531-1620 kHz FM: 87.5-108 MHz
AM: 450 kHz FM: 12.7 MHz
AM: 900 uV/M (at 1MHz) FM: 10 uV (at 98MHz)
30 dB

Cassette Section

Tape Speed
Frequency Response
Wow & Flutter

1-7/8 IPS (4.75 P.S.)
63 Hz - 12.5 kHz
0.2% WRMS

Amplifier Section

Total Harmonic Distortion (1 kHz)
Signal To Noise Ratio
Output Power (at 0.9% THD)

0.1%
70 dB
120W x 2

Compact Disc Player Section

Channel Separation (1 kHz)
Total Harmonic Distortion
Signal To Noise Ratio

50 dB
0.1%
65 dB

Dimensions

W= 279mm (11") H=394mm (15-1/2")
D= 311mm (12-1/4")

Weight

14.3 kgs (31.46 lbs)

SERVICE PUBLICATION

Note All the specifications and features are subject to change without notice

CD Adjustments

The following steps should be performed before attempting adjustments in the CD section.

1. Remove the turntable by sliding the Guide Plate outward. (See Fig. 9)
2. Disassemble the Base Cover by removing 2 screws. (See Fig. 9)

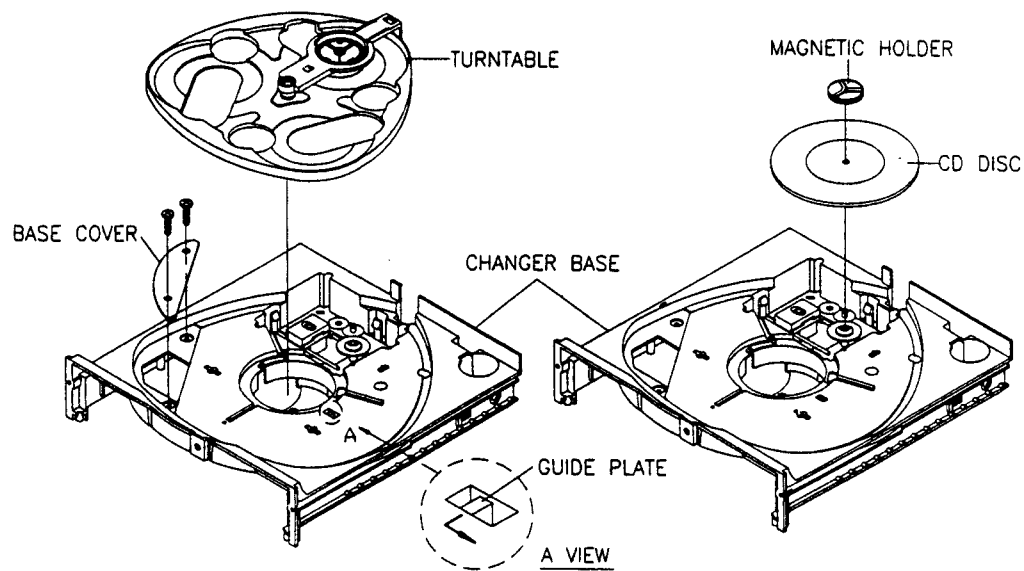


Figure 9

CAUTION:

The laser beam may always be active when the turntable is removed.

Use of controls for adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

The compact disc player should not be adjusted or repaired by anyone except properly qualified service personnel.

RF ADJUSTMENT

1. Connect CN08 to the power supply, and CD player in stop mode.
2. Connect the DC meter to CN10-.
3. Adjust VR01, for a reading of $0V \pm 20mV$. (See Fig. 10)

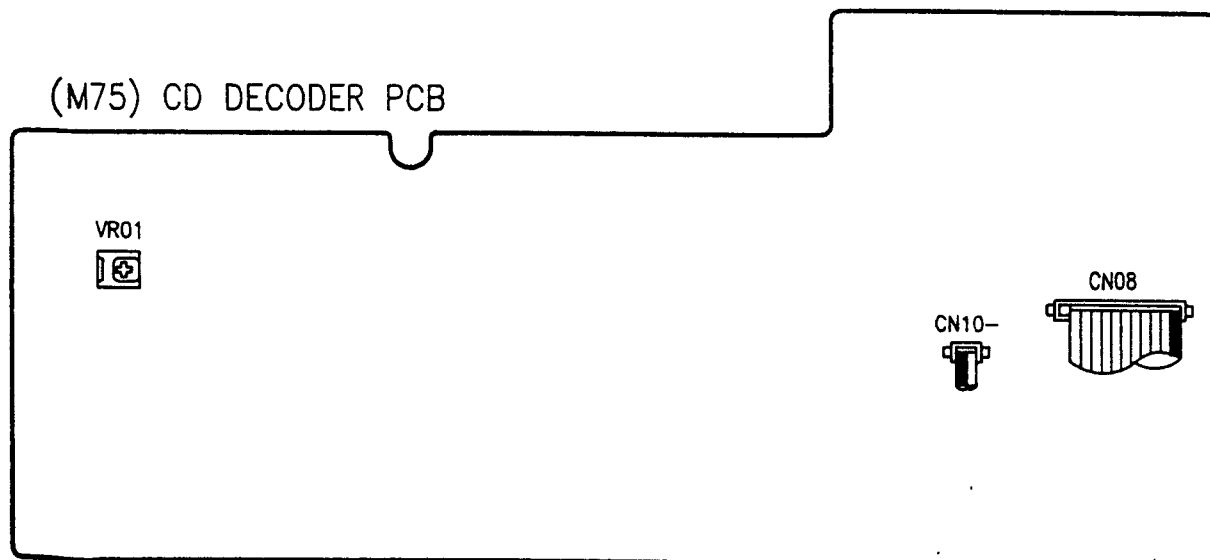
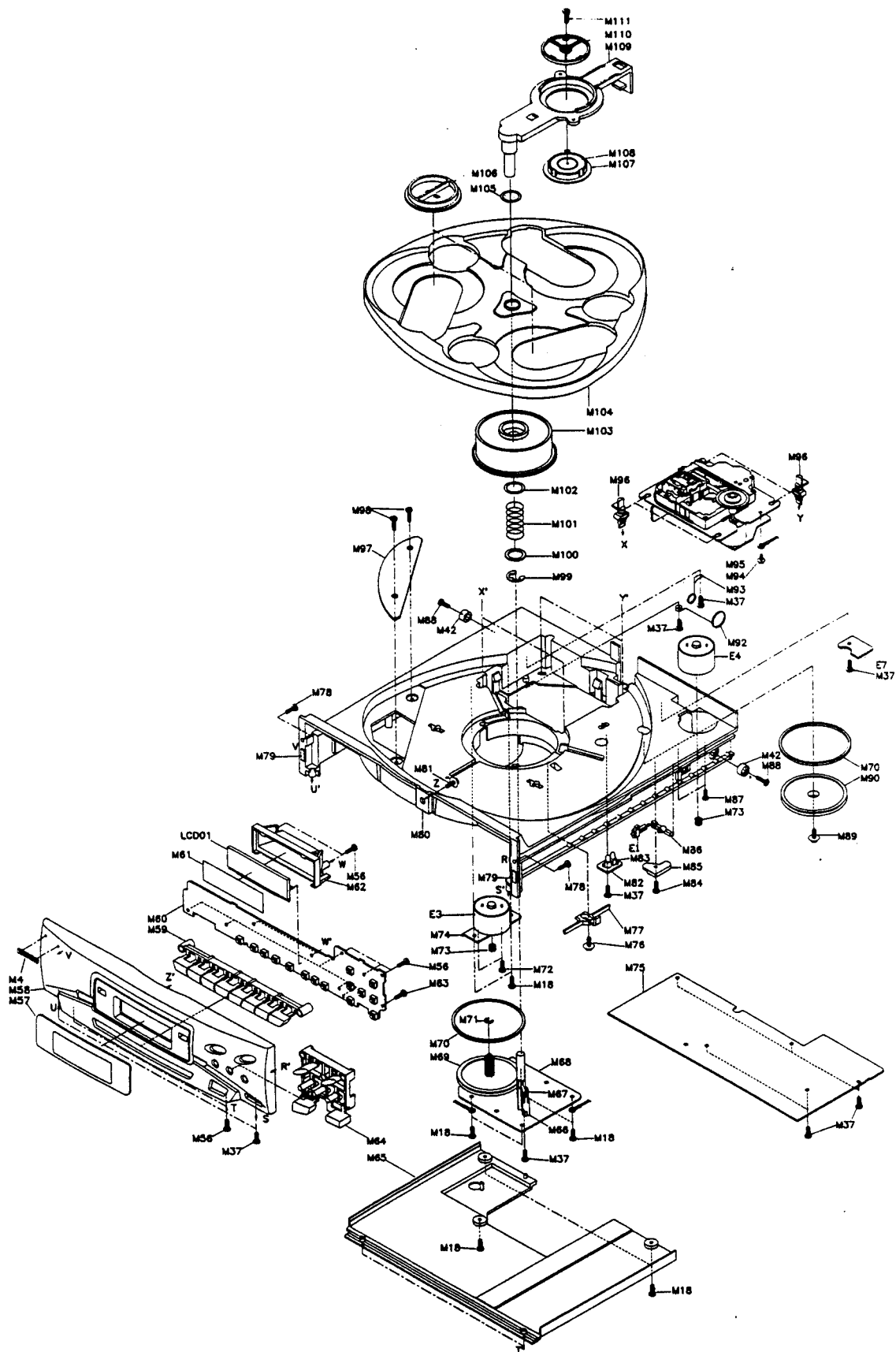
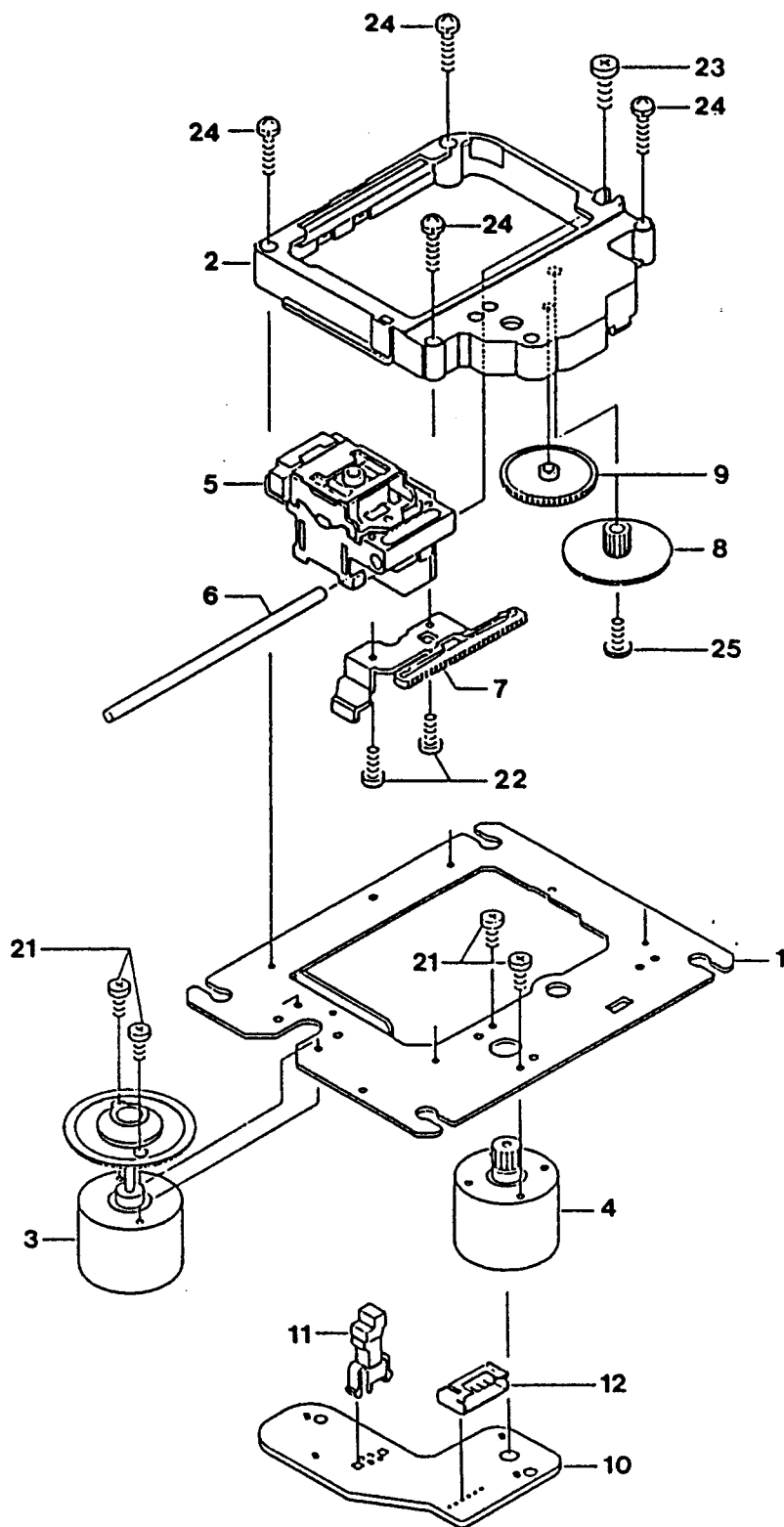


Figure 10

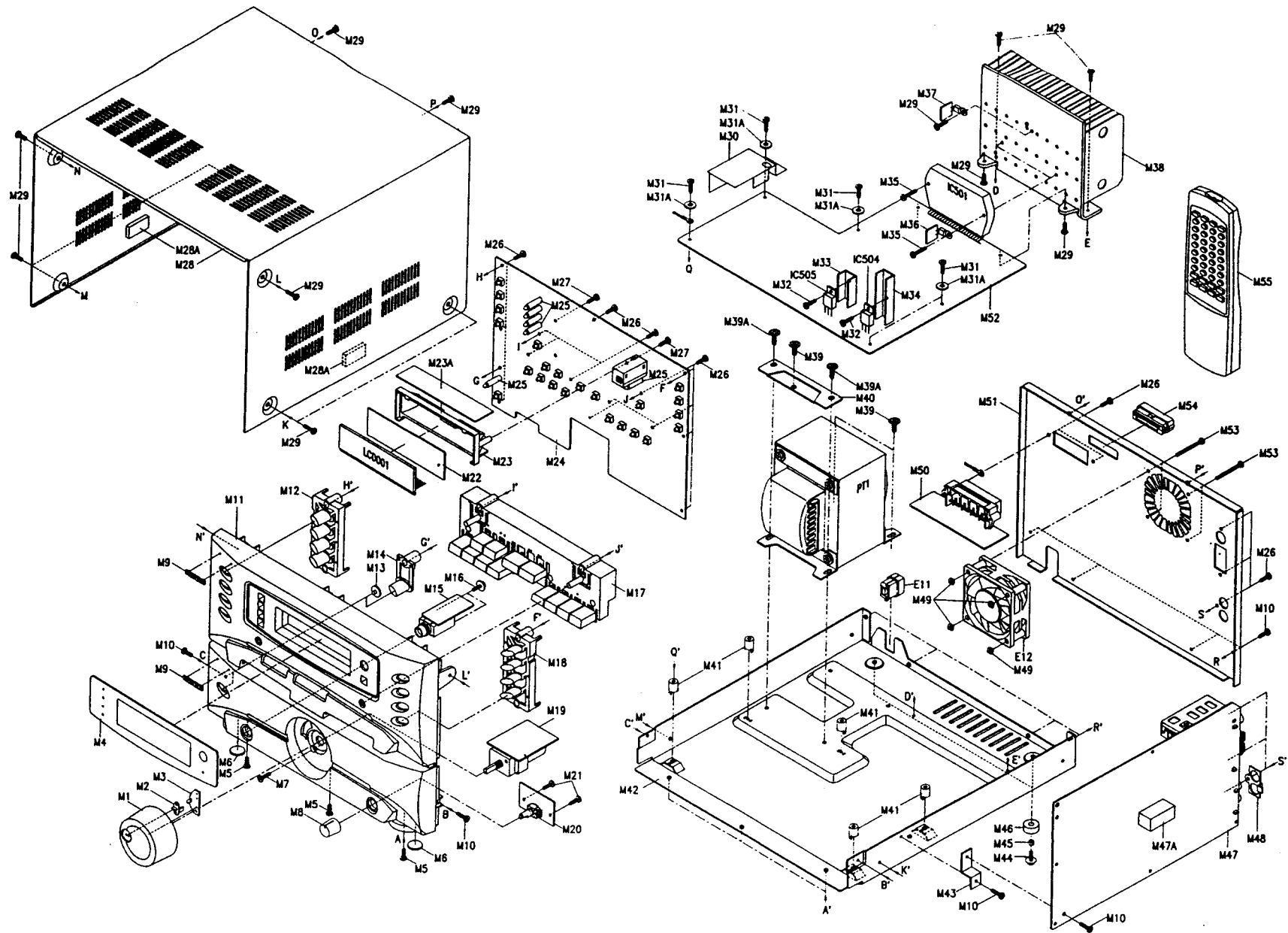
Mechanical Exploded View - CD



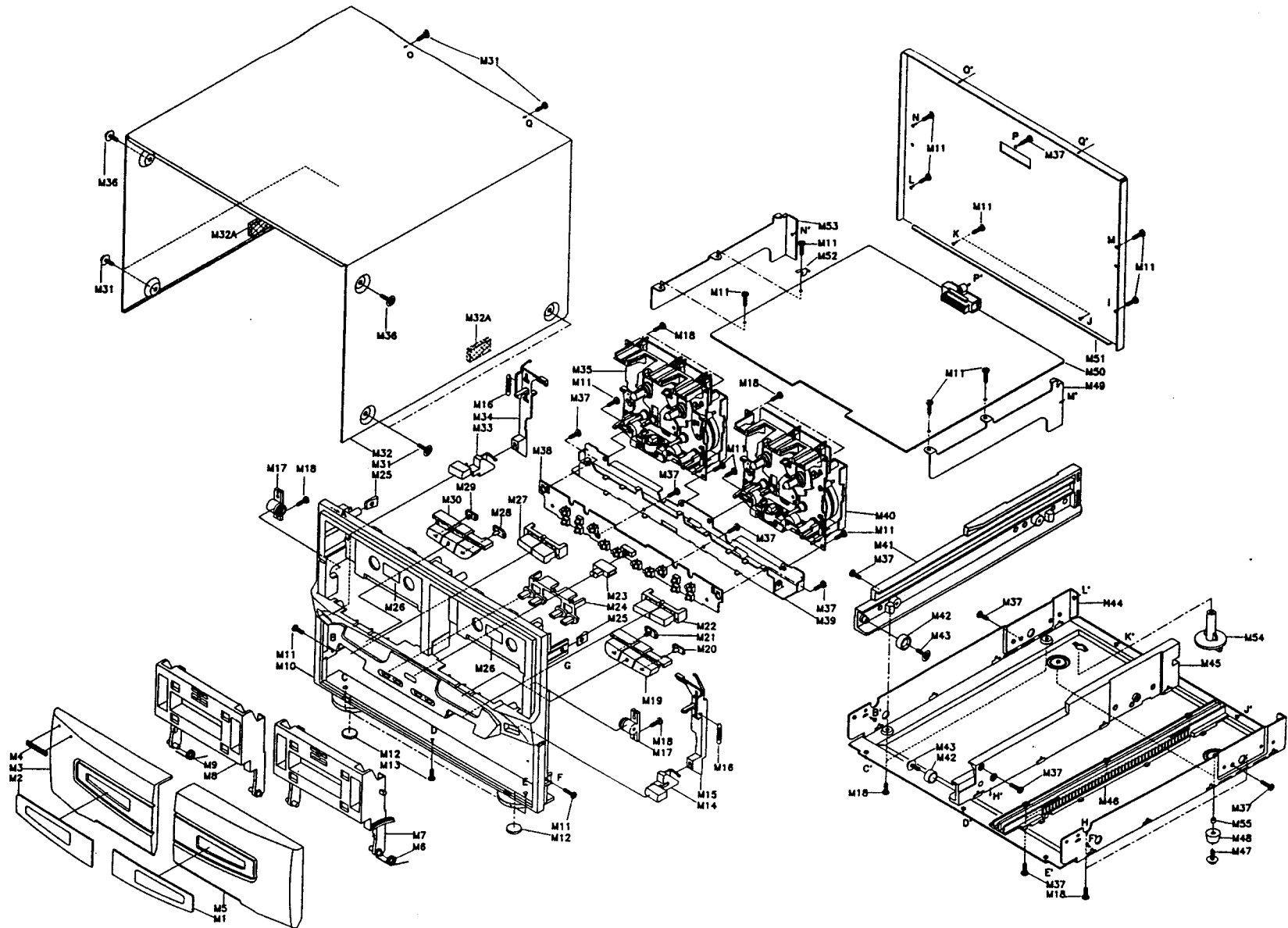
CD Deck Exploded View



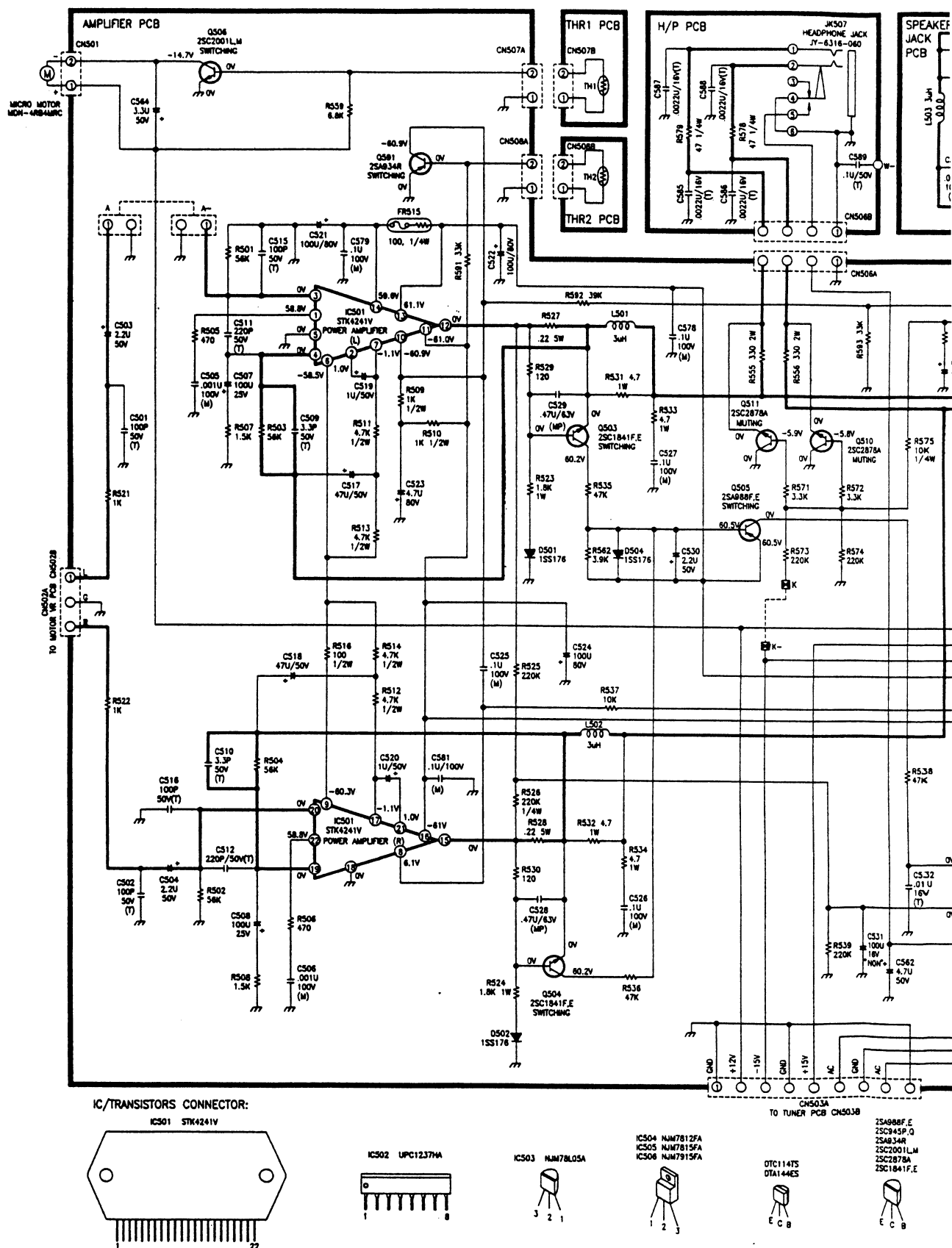
Mechanical Exploded View- Receiver



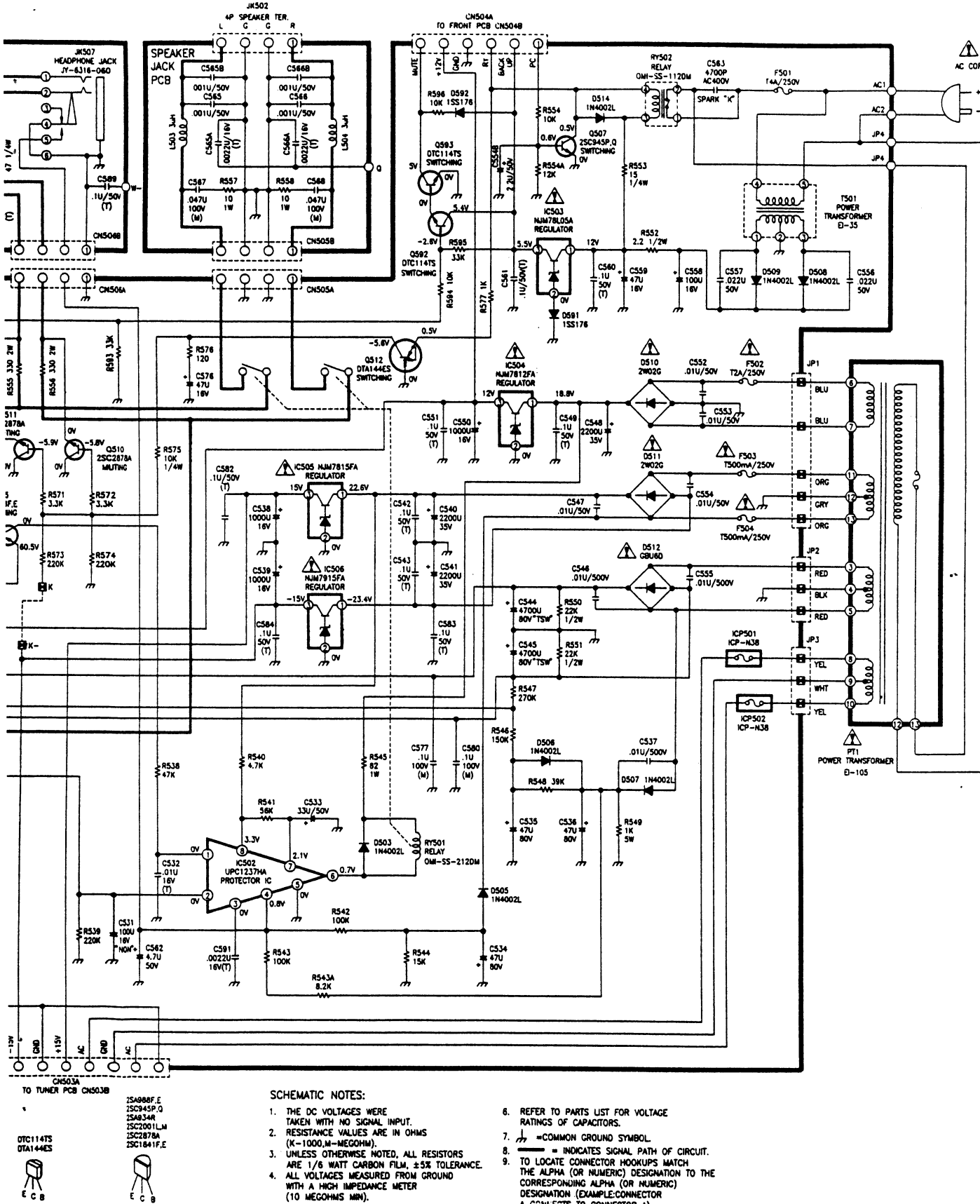
Mechanical Exploded View-Cassette



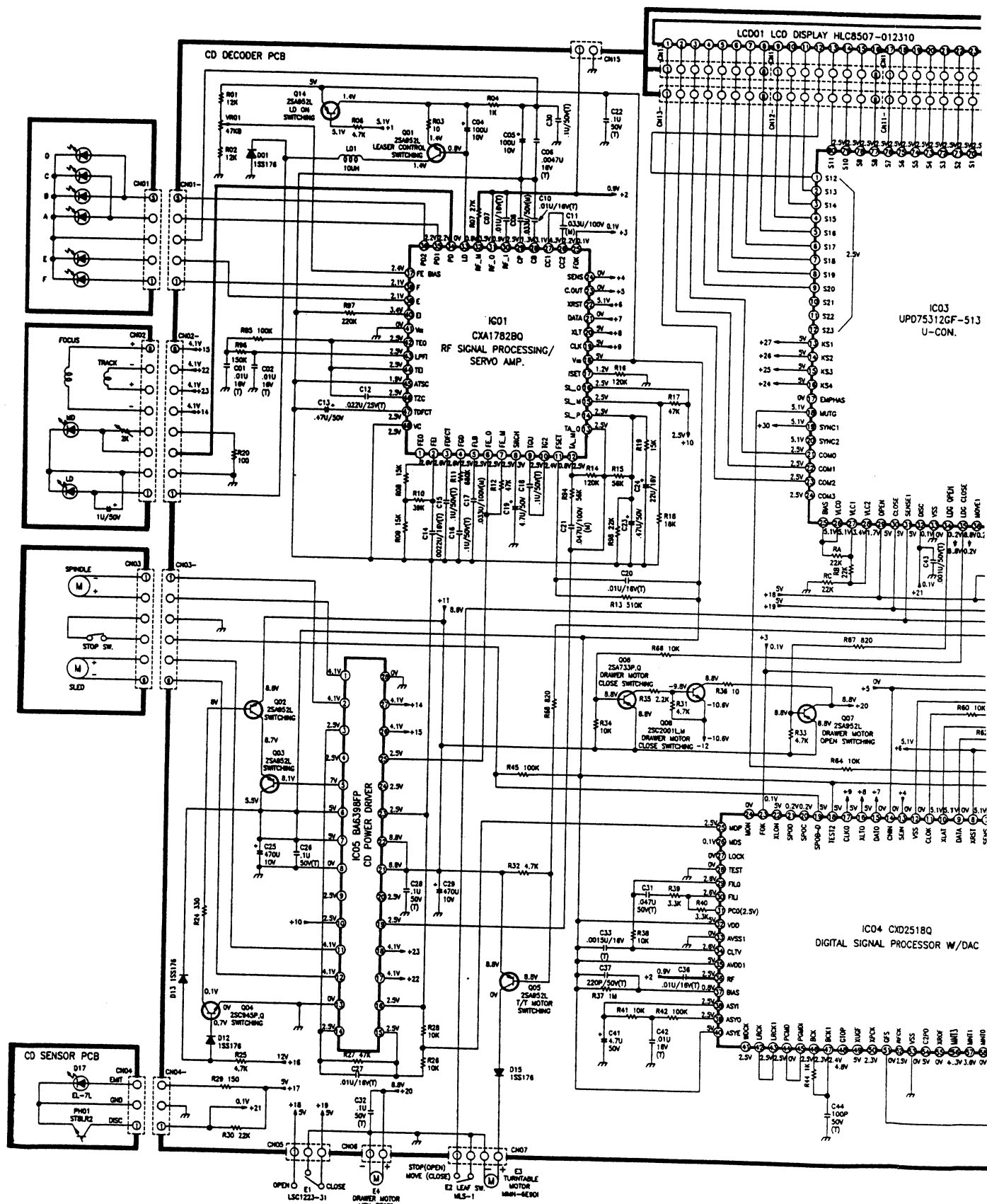
Schematic Diag



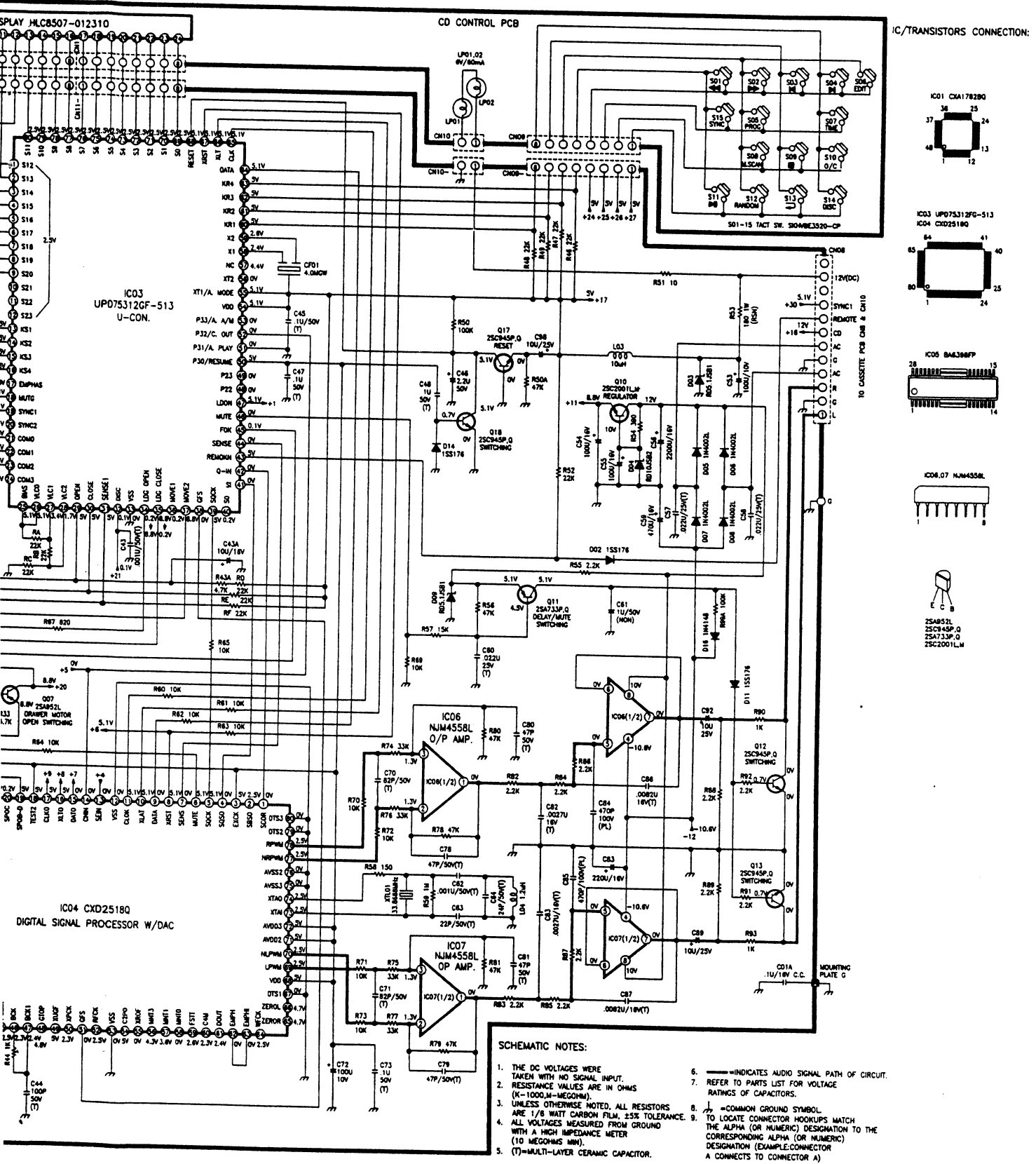
Schematic Diagram - Amp.



Schematic Diagram

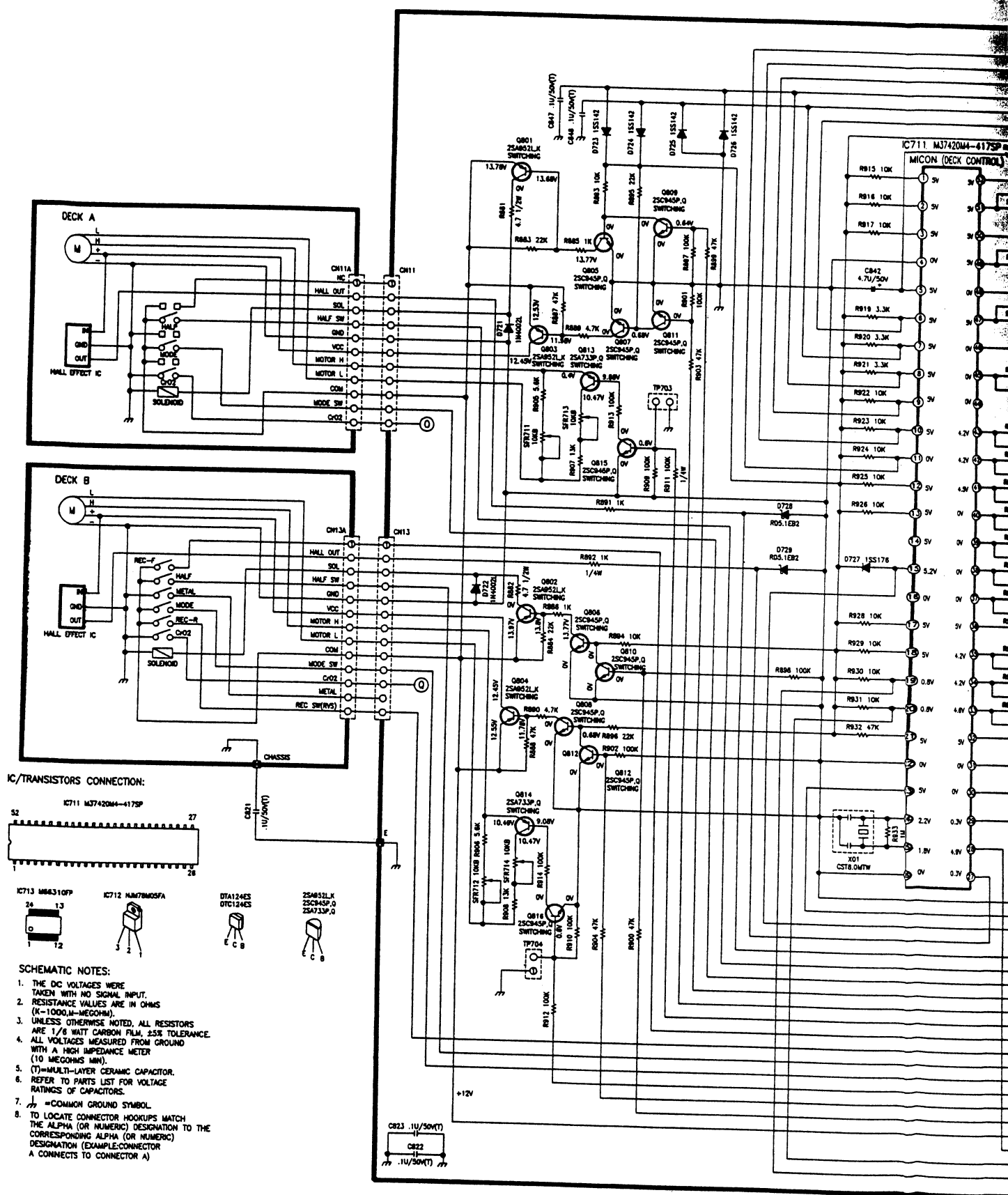


Schematic Diagram- CD

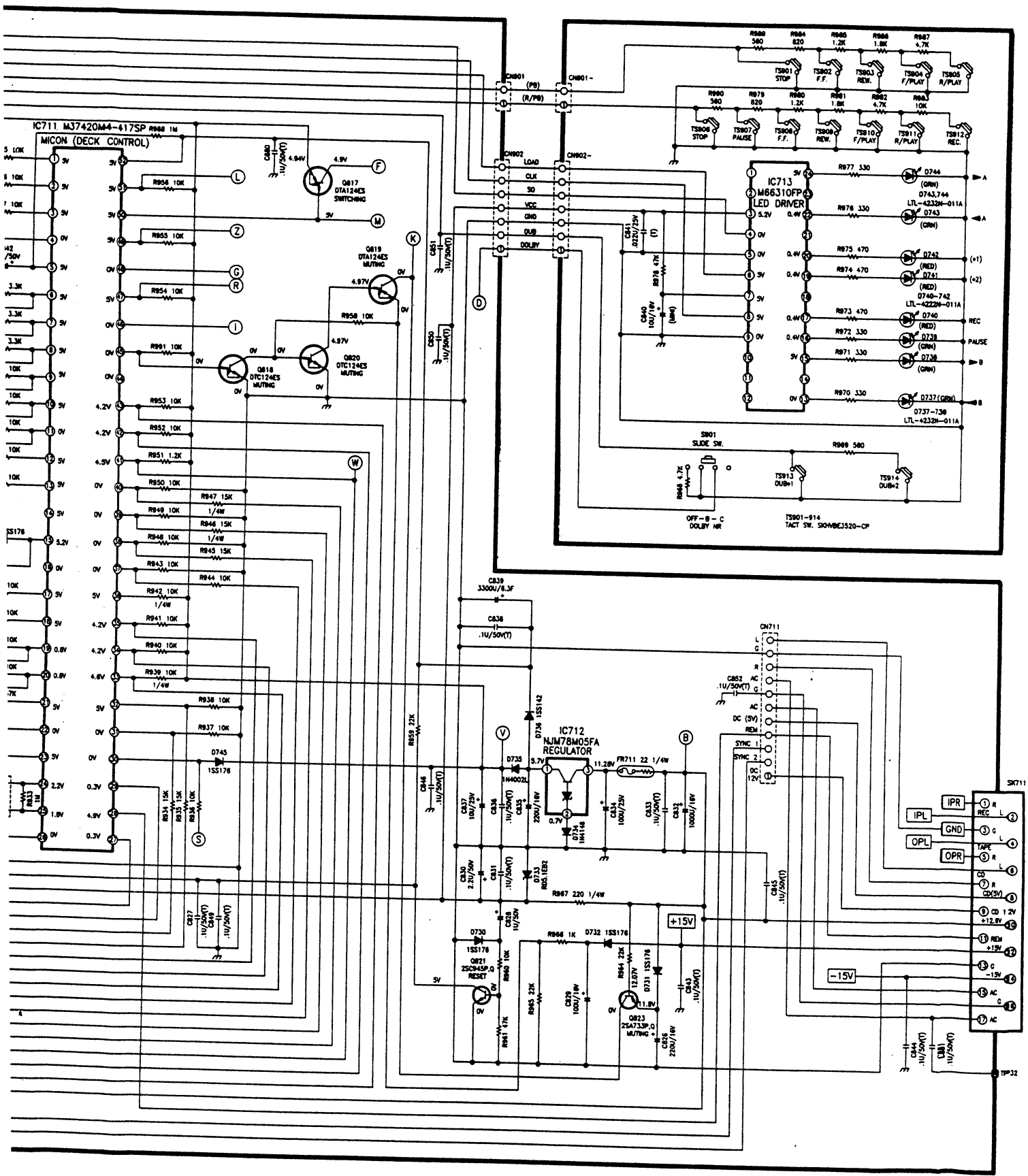


- SCHEMATIC NOTES:
1. THE DC VOLTAGES WERE TAKEN WITH NO SIGNAL INPUT.
 2. RESISTANCE VALUES ARE IN OHMS (K=1000, M=MEGOhm).
 3. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1/8 WATT CARBON FILM, ±5% TOLERANCE.
 4. ALL VOLTAGES MEASURED FROM GROUND WITH A HIGH IMPEDANCE METER (10 MEGOhms MIN).
 5. (T)=MULTI-LAYER CERAMIC CAPACITOR.
 6. ——— INDICATES AUDIO SIGNAL PATH OF CIRCUIT.
 7. REFER TO PARTS LIST FOR VOLTAGE RATINGS OF CAPACITORS.
 8. — COMMON GROUND SYMBOL.
 9. TO LOCATE CONNECTOR HOOKUPS MATCH THE ALPHA (OR NUMERIC) DESIGNATION TO THE CORRESPONDING ALPHA (OR NUMERIC) DESIGNATION (EXAMPLE: CONNECTOR A CONNECTS TO CONNECTOR A).

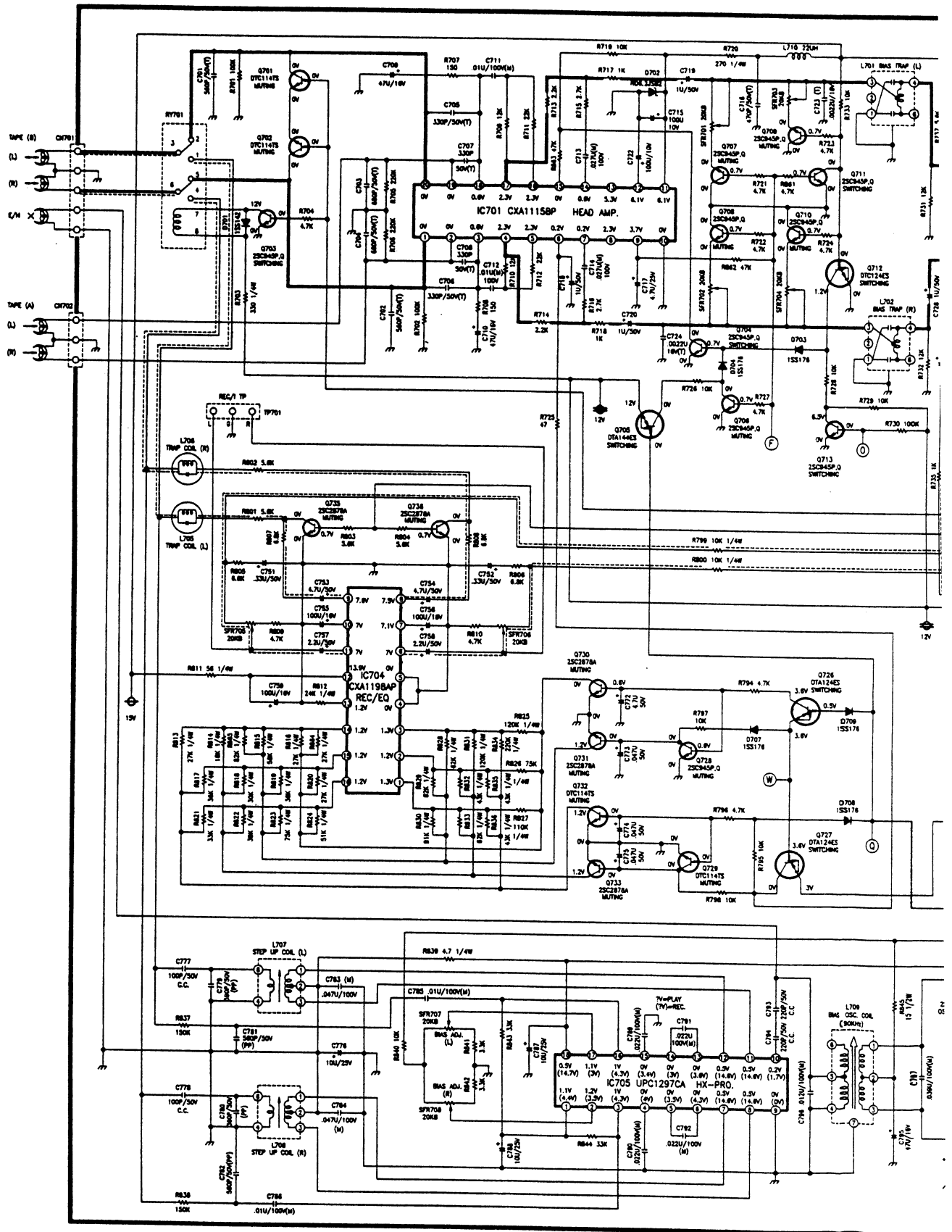
Schematic Diagram



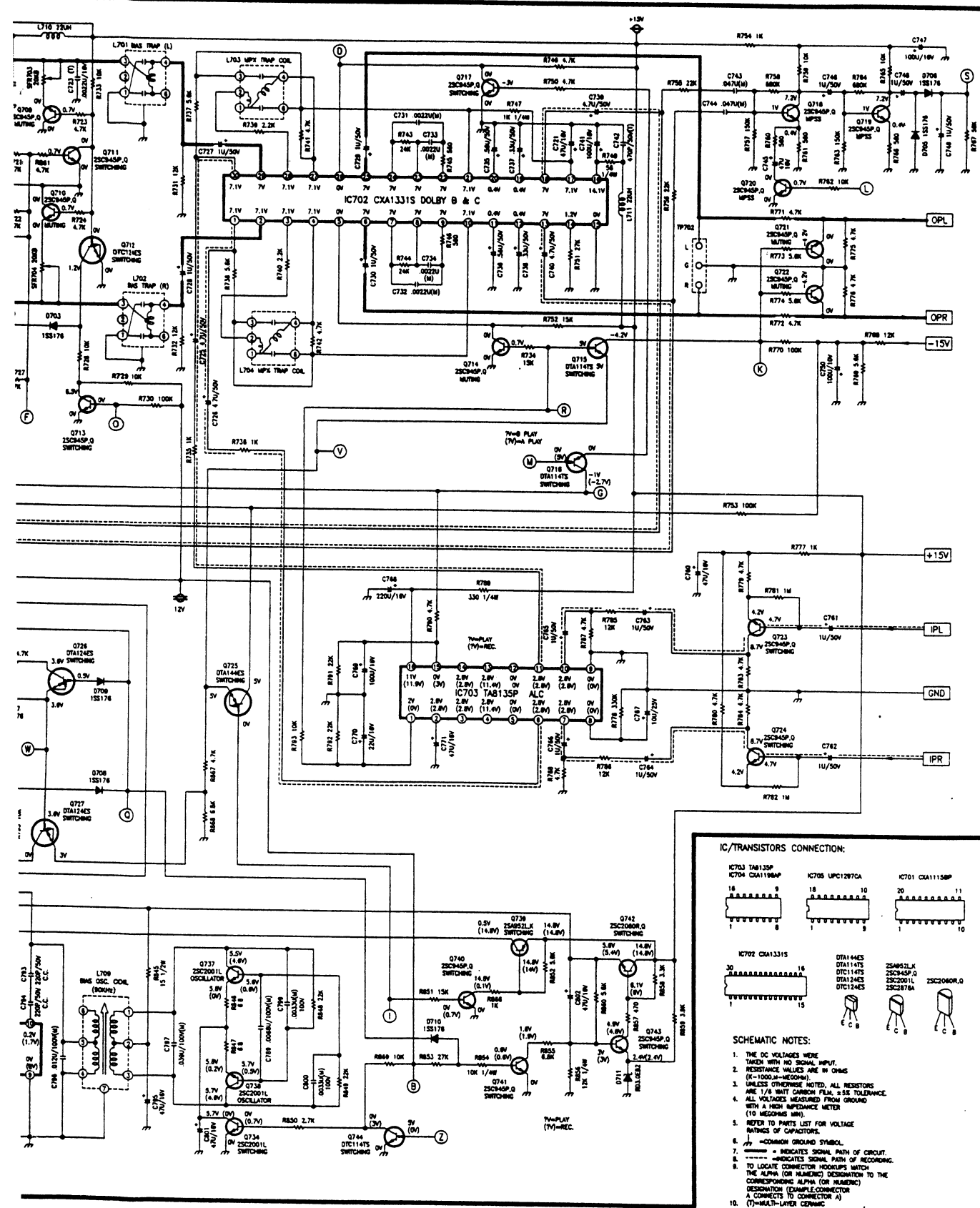
ematic Diagram- Cassette (2/2)



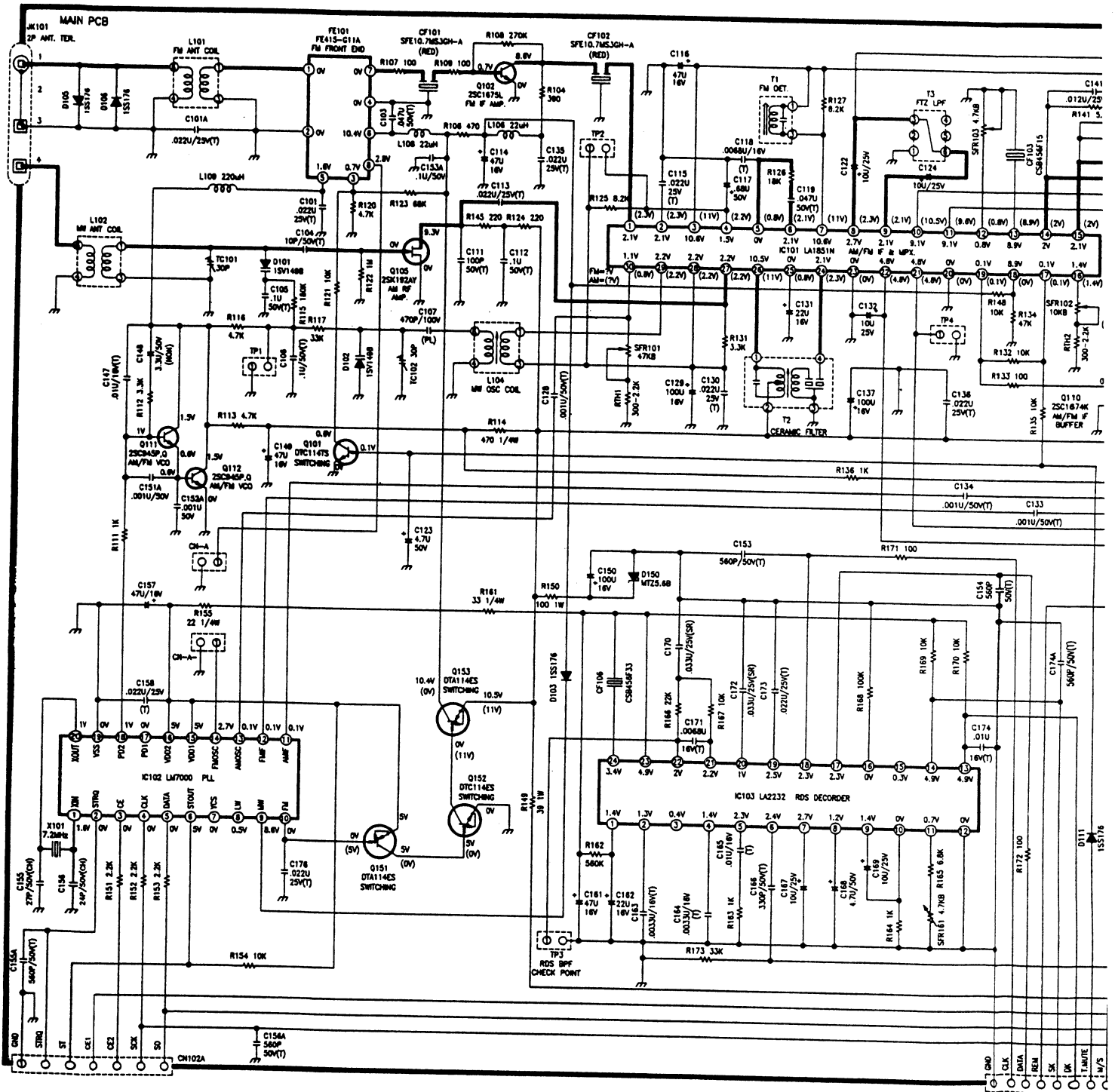
Schematic Diagram - Ca



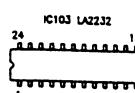
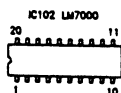
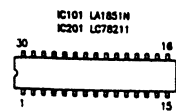
atic Diagram- Cassette (1/2)






Schematic Di



IC/TRANSISTORS CONNECTION:



1. THE DC VOLTAGES WERE TAKEN WITH NO SIGNAL INPUT.
2. RESISTANCE VALUES ARE IN OHMS (K=1000, M=MEGOhm).
3. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1/8 WATT CARBON FILM, $\pm 5\%$ TOLERANCE.
4. ALL VOLTAGES MEASURED FROM GROUND (10 MEGOhm MIN).
5. (T)=MULTI-LAYER CERAMIC CAPACITOR.

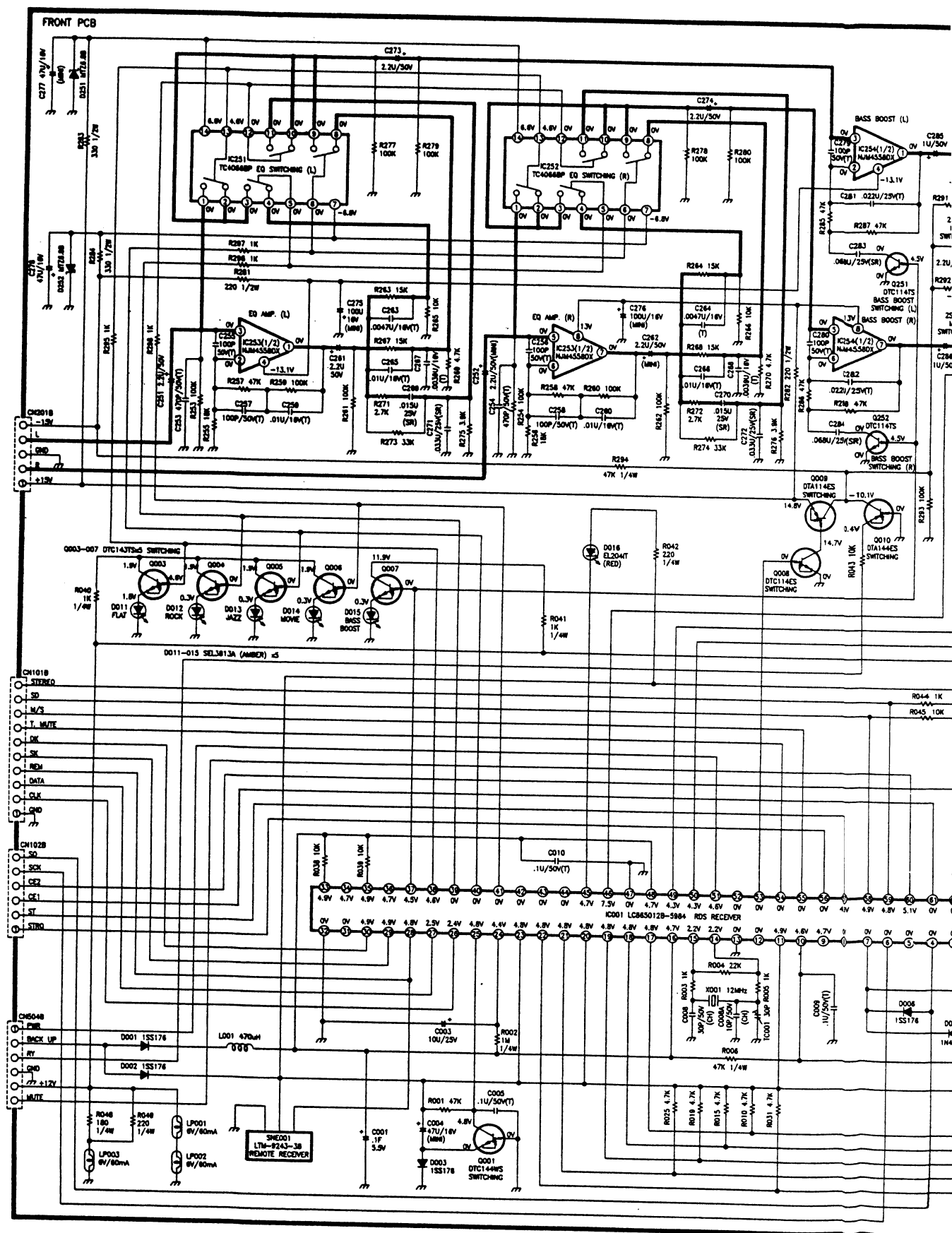
6. REFER TO PARTS LIST FOR VOLTAGE RATINGS OF CAPACITORS.
7.  = COMMON GROUND SYMBOL
8.  = INDICATES SIGNAL PATH OF CIRCUIT
9.  = INDICATES SIGNAL PATH OF AM MODE.
10. TO LOCATE CONNECTOR HOOKUPS MATCH THE ALPHA (OR NUMERIC) DESIGNATION TO THE CORRESPONDING ALPHA (OR NUMERIC) DESIGNATION (EXAMPLE: CONNECTOR A CONNECTS TO CONNECTOR A)

DTA114YS
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DTC114TS

ZSK192AY



Schematic



Schematic Diagram- Front

